

AMENDMENTS TO THE CLAIMS

1-25 (Cancelled)

26. (Currently Amended)

1 A child-resistant package that includes:

2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said at least one external thread and
5 projecting radially outwardly from said finish adjacent to and circumferentially spaced from
6 said second end of said thread remote from said open end, and

7 a closure having a base wall, a skirt with at least one internal thread for
8 engagement with said at least one external thread on said finish, at least one pair of
9 internal lugs on said skirt adjacent to an end of said internal thread remote from said base
10 wall, and at least one spring element for engaging said open end of said finish to bias said
11 closure axially of said finish,

12 said at least one external lug on said container finish having an axially
13 oriented cam face that slopes in a clockwise direction away from said open end,

14 said at least one pair of internal lugs on said closure skirt having a first lug
15 with an axially oriented cam face that slopes toward said base wall such that threading
16 said closure onto said finish in a clockwise direction causes said first lug ~~at least one pair~~
17 ~~of internal lugs~~ on said skirt to cam axially away from said open end relative to said at
18 least one external lug on said finish by compression of said at least one spring element,

19 **wherein said at least one pair of internal lugs on said finish has a flange**
20 **that extends circumferentially in a clockwise direction from a surface of said at least**
21 **one pair of internal lugs adjacent to said open end, and**

22 said at least one pair of internal lugs also having a second lug that
23 engages said at least one external lug on said container finish when said closure is
24 fully received on said container finish to limit clockwise rotation of said closure
25 relative to said container finish,

26 wherein said closure skirt has a stepped profile that includes a first portion
27 on which said at least one internal thread is disposed and a second portion being
28 connected to said first portion by inner and outer shoulders of said closure skirt and
29 terminating at a skirt open end opposite of said base wall and being stepped to
30 extend radially outwardly from said first portion and having an outer diameter larger than
31 that of said first portion and having an inner diameter larger than that of said first portion
32 on which said at least one pair of internal lugs is disposed, and said first lug is
33 positioned proximate and just axially above said skirt open end and said second lug
34 is positioned proximate and just axially below said inner shoulder of said closure
35 skirt.

27.-28. (Cancelled)

29. (Currently Amended)

1 The package of claim ~~[[28]] 26~~ wherein said at least one external lug on
2 said container finish includes a clockwise extending flange, and said flange includes
3 a generally planar surface facing away from said open end, and said first lug at least one
4 pair of internal lugs on said skirt has a complementarily oriented surface adapted to be
5 received closely adjacent to said generally planar surface of said flange to inhibit axial
6 displacement of said first lug at least one pair of internal lugs on said skirt in a direction
7 toward said open end of said container finish.

30. (Currently Amended)

1 A closure for a child-resistant package, including:
2 a base wall,
3 a skirt with at least one internal thread adapted for engagement with at least
4 one external thread on a container finish,
5 at least one pair of internal lugs on said skirt spaced from said at least one
6 internal thread and extending radially inwardly from said skirt, ~~with one of said internal~~
7 ~~lugs having an axially oriented cam face that slopes toward said base wall;~~ and
8 at least one spring element carried by one of said base wall or said skirt,
9 said at least one pair of internal lugs on said skirt including a first lug for
10 cooperating with a stop lug on the container finish to prevent unthreading of said closure
11 from the container finish absent pressure on said closure against said spring element to
12 push said first lug on said skirt beneath the stop lug on the container finish, and a second
13 lug circumferentially spaced from said first lug for cooperating with the stop lug on the
14 container finish to limit the threading of said closure onto the container finish,

wherein said closure skirt has a stepped profile that includes a first portion on which said at least one internal thread is disposed and a second portion being connected to said first portion by inner and outer shoulders of said closure skirt and terminating at a skirt open end opposite of said base wall and being stepped to extend radially outwardly from said first portion and having an outer diameter larger than that of said first portion and having an inner diameter larger than that of said first portion on which said internal lugs are disposed, and said first lug being positioned proximate and just axially above said skirt open end and said second lug being positioned proximate and just axially below said inner shoulder of said closure skirt, and

wherein said first lug includes an axially oriented cam face that slopes toward said base wall such that threading said closure onto the container finish causes said first lug on said closure skirt to cam axially away from an open end of the container finish relative to the stop lug on the container finish by compression of the spring element.

31. (Previously Presented)

The closure of claim 30 wherein the first lug has a stop surface facing one direction and the second lug has a stop surface facing generally in the opposite direction of said one direction so that the stop lug limits rotation of the closure in opposite directions.

32. (Original)

The closure of claim 31 wherein the stop surface of the first lug faces counterclockwise and the stop surface of the second lug faces clockwise.

33. (Previously Presented)

1 The closure of claim 30 wherein said cam face extends circumferentially and
2 is inclined axially.

34. (Previously Presented)

1 The closure of claim 30 wherein said cam face extends circumferentially and
2 is inclined radially.

35. (Original)

1 The closure of claim 30 wherein said at least one spring element includes a
2 plurality of circumferentially spaced spring segments, each spring segment being
3 cantilevered to at least one of the base wall and the skirt and having a free end that is
4 flexible and resilient.

36-39. (Cancelled)

40. (Currently Amended)

1 A child-resistant package that includes:
2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said external thread and disposed
5 on a side of said external thread opposite said open end and circumferentially spaced
6 from said second end of said external thread, and

a closure having a base wall, and a skirt having a stepped profile that includes a first portion with at least one internal thread for engaging said at least one external thread on said finish and a second portion being connected to said first portion by inner and outer shoulders of said closure skirt and terminating at a skirt open end opposite of said base wall and being stepped to extend radially outwardly from said first portion and having an outer diameter larger than that of said first portion and having an inner diameter larger than that of said first portion, a spring element for urging said closure away from said finish, and at least one pair of internal lugs separate from said internal thread,

said at least one pair of internal lugs on said skirt being carried on said second portion adjacent to but circumferentially spaced from each other, and being comprised of a trailing internal lug and a leading internal lug disposed clockwise of said trailing internal lug as viewed from above said package, said leading internal lug being positioned proximate and just axially above said skirt open end and said trailing internal lug being positioned proximate and just axially below said inner shoulder,

there being one pair of internal lugs on said skirt for each external lug on said finish, said leading internal lug having an axially oriented cam face sloping toward said base wall such that threading said closure onto the container finish causes said leading internal lug on said closure skirt to cam axially away from the open end of the container finish relative to said external lug on said container finish by compression of the spring element such that said leading internal lug cams over said external lug as said closure is threaded onto said finish against a force supplied by said spring element to said finish until said external lug on said finish is received between said at least one pair of internal lugs

on said skirt and said trailing internal lug on said skirt engages said external lug to prevent further threading of said closure onto said finish,

removal of said closure from said finish requiring urging said closure onto said finish against the force of said spring element until said leading internal lug on said skirt is disposed beneath said external lug and permits unthreading of said closure from said finish,

wherein said external lug on said finish has a cam face that is inclined away from said open end for engagement by said cam face of said leading internal lug on said skirt to pull said closure against said spring element as said closure is threaded onto said finish and said leading internal lug is cammed over said external lug, and

wherein said external lug includes a body and a flange circumferentially extending from said body away from said cam surface and disposed so that said leading internal lug on said skirt will be received in a pocket formed between said body and said flange.

41. (Previously Presented)

The package set forth in claim 40 wherein said spring element and said closure are of one-piece integrally molded plastic construction.

42. (Previously Presented)

The package set forth in claim 41 wherein said spring element is a circumferentially segmented annular spring element.

43 - 47. (Cancelled)

48. (Previously Presented)

1 The package set forth in claim 40 wherein spacing between said leading and
2 trailing internal lugs is insufficient to permit passage of said external lug between said
3 internal lugs.

49-50. (Cancelled)

51. (Currently Amended)

1 A child-resistant package that includes:
2 a container having a cylindrical finish with an open end, at least one external
3 thread, and at least one external lug separate from said external thread and disposed on
4 a side of said external thread opposite said open end, and
5 a closure having a skirt with at least one internal thread for engaging said at
6 least one external thread on said finish, a spring element for urging said closure away from
7 said finish, and at least one pair of internal lugs separate from said internal thread,
8 said pair of internal lugs on said skirt being adjacent to but circumferentially
9 spaced from each other, and being comprised of a trailing internal lug and a leading
10 internal lug disposed clockwise of said trailing internal lug as viewed from above said
11 package,
12 there being one pair of internal lugs on said skirt for each external lug on said
13 finish, said leading internal lug having a cam face for camming said leading internal lug
14 over said external lug as said closure is threaded onto said finish against a force supplied
15 by said spring element to said finish until said external lug on said finish is received

between said internal lugs on said skirt and said trailing internal lug on said skirt engages said external lug to prevent further threading of said closure onto said finish,

removal of said closure from said finish requiring urging said closure onto said finish against the force of said spring element until said leading internal lug on said skirt is disposed beneath said external lug and permits unthreading of said closure from said finish,

~~wherein said leading internal lug on said skirt has a cam face to engage said external lug as said closure is applied to said finish;~~

~~wherein said cam face faces radially outwardly such that engagement of said cam face with said external lug circumferentially stretches said closure skirt;~~

wherein said external lug extends radially outwardly from said cylindrical finish of said container and includes a cam surface defined by a generally circumferentially and axially extending peripheral face,

wherein as said closure is rotated clockwise onto said finish of said container, said leading internal lug engages said external lug prior to said closure being fully received on said finish, such that engagement of said cam face with said cam surface of said external lug circumferentially stretches said closure skirt, and continued rotation of said closure causes said leading internal lug to cam radially over said external lug, and further rotation of said closure is limited by engagement of said external lug with said trailing internal lug,

wherein counterclockwise rotation of said closure absent application of an axial force to said closure results in engagement of said leading internal lug with said external lug, and removal of said closure from said container includes application of axial

39 force to said closure to move said leading internal lug axially beneath said external lug to
40 allow said closure to be rotated counterclockwise.

52. (Cancelled)

53. (Currently Amended)

1 A child-resistant package that includes:
2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said external thread and disposed
5 on a side of said external thread opposite said open end and being circumferentially
6 spaced from said second end of said external thread, and
7 a closure having a base wall, and a skirt having **a stepped profile including**
8 a first portion with at least one internal thread for engaging said at least one external thread
9 on said finish and a second portion **being connected to said first portion by inner and**
10 **outer shoulders of said closure skirt and terminating at a skirt open end opposite of**
11 **said base wall and being** stepped to extend radially outwardly from said first portion and
12 having an outer diameter larger than that of said first portion and having an inner diameter
13 larger than that of said first portion, a spring element for urging said closure away from said
14 finish, and at least one pair of internal lugs separate from said internal thread and being
15 carried on said second portion,
16 said at least one pair of internal lugs on said skirt being adjacent to but
17 circumferentially spaced from each other, and being comprised of a trailing internal lug and
18 a leading internal lug disposed clockwise of said trailing internal lug as viewed from above

said package, and said leading internal lug being positioned proximate and just axially above said skirt open end and said trailing internal lug being positioned proximate and just axially below said inner shoulder of said closure skirt

there being one pair of internal lugs on said skirt for each external lug on said finish, said leading internal lug having an axially oriented cam face sloping toward said base wall such that threading said closure onto the container finish causes said leading internal lug on said closure skirt to cam axially away from the open end of the container finish relative to said external lug on said container finish by compression of the spring element such that said leading internal lug cams over said external lug as said closure is threaded onto said finish against a force supplied by said spring element to said finish until said external lug on said finish is received between said at least one pair of internal lugs on said skirt and said trailing internal lug on said skirt engages said external lug to prevent further threading of said closure onto said finish,

removal of said closure from said finish requiring urging said closure onto said finish against the force of said spring element until said leading internal lug on said skirt is disposed beneath said external lug and permits unthreading of said closure from said finish.

~~wherein said closure skirt has a stepped profile that includes a first portion on which said at least one internal thread is disposed and a second portion stepped radially outwardly from said first portion and having an inner diameter larger than that of said first portion on which said internal lugs are disposed.~~

54. (New)

A closure for a child-resistant package, including:

a base wall, and

a skirt extending from said base wall and having a stepped profile that includes:

a first portion on which is disposed at least one internal thread, and

a second portion being connected to said first portion by inner and outer shoulders, terminating at a skirt open end opposite of said base wall, being stepped to extend radially outwardly from said first portion, and having:

an outer diameter larger than that of said first portion, and

an inner diameter larger than that of said first portion and on which is disposed at least one pair of internal lugs extending radially inwardly and including:

a first lug positioned proximate and just axially above said skirt open end, and

a second lug circumferentially spaced from said first lug and positioned proximate and just axially below said inner shoulder of said closure skirt.

55. (New)

The package set forth in claim 54, further comprising at least one spring element extending from at least one of said base wall or said skirt for urging said closure away from a container,

wherein said at least one internal thread is adapted for engagement with at least one external thread of the container,

wherein said first lug is adapted for cooperation with a stop lug on the container to prevent unthreading of said closure from the container absent pressure on said closure against said spring element to push said first lug on said skirt beneath the stop lug on the container, and

wherein said second lug is adapted for cooperation with the stop lug on the container to limit the threading of the closure onto the container.

56. (New)

The package set forth in claim 55, wherein said spring element includes a plurality of circumferentially spaced spring segments, and said closure also includes a plurality of axially extending spring stops to limit flexing of said spring element.

57. (New)

The package set forth in claim 54, wherein said first lug includes a cam surface that extends circumferentially from a first end to a second end and is inclined axially with said first end being further away from said base wall than said second end.

58. (New)

The package set forth in claim 54, wherein said first lug includes a cam surface that is inclined radially from a first end to a second end of the cam surface with the second end being disposed radially inwardly of and spaced circumferentially clockwise from said first end.